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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/814,049	03/31/2004	Yew Wee Cheong	111079-136357	5732
31817 7590 10/05/2006			EXAMINER	
•	WILLIAMSON & W	SHAKERI, HADI		
PACWEST CI	ENTER, SUITE 1900 TH AVE.	ART UNIT	PAPER NUMBER	
	PORTLAND, OR 97204			
			DATE MAILED: 10/05/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary Total Hadi Shekeri Art Unit Hadi Shekeri			Application No.	Applicant(s)			
Hadi Shakeri - The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEYER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - The MAILING DATE of the mailing date of this communication. - If NO period for reply is specified above, the maininum statutory peed will apply and will expire SX (8) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maininum statutory peed will apply and will expire SX (8) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maininum statutory peed will apply and will expire SX (8) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maininum statutory peed will apply and will expire SX (8) MONTHS from the maining date of this communication. - If NO period for reply is specified above, the maininum statutory peed will apply and will expire SX (8) MONTHS from the maining date of this communication. - If NO period for reply is specified above, the maininum statutory peed will apply and will expire SX (8) MONTHS from the maining date of this communication. - If NO period for reply is specified above, the maininum statutory peed will apply and will expire SX (8) MONTHS from the maining date of this communication. - If NO period for reply is specified above, the maininum statutory peed will apply and will expire SX (8) MONTHS from the maining date of this communication. - If NO period for reply is specified above, the maininum statutory peed will apply and will expire SX (8) MONTHS from the maining date of this communication. - If NO period for reply is specified above, the maininum statutory peed will be applyed and will reply set the specified above, the maininum statutory peed will be a period by the specific above. - If NO period for reply is peed to communication. -	. Offi A O		10/814,049	CHEONG, YEW WEE			
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Art Unit: 3723

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on August 03, 2006 has been entered.

Claim Objections

2. Claims 2, 4, 5 and 9 are objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form.

Claim 2 recites for "wherein said allowing the adhesive gel...failing to further limit the invention. Parent claim 1, recites for a step of a) providing an adhesive gel...b) applying the gel to first side...c) positioning the wafer onto a platform, and d) grinding the other side of the wafer. The narrative language of "allowing the adhesive gel to release the wafer" does not constitute a positive step (even peeling off a tape would read over the recitation) it is only descriptive (unlike claim 5 or 12). Claim 2, instead of adding another step or limitation to the parent, only further describes in a narrative form a function of the gel, i.e., allowing it to hold the wafer. Same rejection applies to claim 4, which is only narrative in form.

Claims 5 and 12 are objected for being identical, because of reciting the same subject matter.

Appropriate correction is required.

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Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claims 1-6, 8-20, 22, and 24-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant's Admitted Prior Art (AAPA) in view of either Watson (6,784,555) or Kuhl et al. (6,056,846).

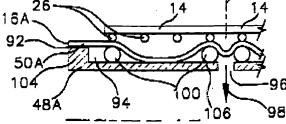
AAPA, e.g., Figs. 1-3 and pages

2-4, meets all of the limitations of the above claims including attaching a semiconductor to a chuck using an adhesive and grinding the backside, except for

disclosing the use of adhesive gel comprising particles. Adhesive used in the art have particles embedded in them for various reasons, e.g., strength, providing uniform gap or spacers. It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to modify the invention of AAPA with the use adhesive as taught by either Watson or Kuhl et al. to enhance the operation, e.g., by using uniform spacers preventing localized stress.

5. Claims 1-6, 8-20, 22, and 24-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant's Admitted Prior Art (AAPA) in view of Farnworth et al. (6,136,137) and Watson.

AAPA, e.g., Figs. 1-3 and pages 2-4, meets all of the limitations of the above claims, except for



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disclosing the use of adhesive gel. Farnworth et al. teaches system and methods for dicing wafers in which pressure sensitive adhesive tapes, or silicone gels (04:44) are used. Watson discloses (columns 1 and 2) adhesives having spacers or fillers to provide a uniform gap. It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to modify the invention of AAPA with the use of silicone gel with spacers as taught by Farnworh and Watson to adapt the system for providing adhesion that permits ease of separation (04:41-43).

6. Claims 7 and 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Prior Art (AAPA as modified by Watson or Kuhl or AAPA as modified by Farnworth and Watson) as applied to claims 1 and 16 above, and further in view of Kataoka et al. (6,273,791).

Prior art as applied above meets all of the limitations, except for disclosing washing the wafer. Kataoka et al. discloses that typically in the producing IC semiconductors, wafers go through a step of washing. It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to further modify the prior art invention with the step of washing to preparer the wafer for the next stage of production in view of Kataoka et al.

Response to Arguments

7. Applicant's arguments filed August 08, 2006 have been fully considered but they are moot in view of the new rejections.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hadi Shakeri whose telephone number is (571) 272-4495. The examiner can normally be reached on Monday-Friday.

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The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Primary Examiner

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September 30, 2006